

Supplementary Table 4: Identification of proteins from a gel-band by AIF. Vinculin was immunoprecipitated from HeLa cells, then separated on a gel and digested. Peptides were analyzed by AIF on Exactive and results were analyzed by MaxQuant using the complete human database including common contaminants.

Protein	Uniprot	Peptides (seq)	Sequence Coverage [%]	PEP	Intensity (x10 ⁷)	Contaminant
Keratin1	P04264	20	32.3	0E+00	3.1E+01	+
Keratin9	P35527	14	27.6	0E+00	2.0E+01	+
Keratin10	P13645	15	27.7	0E+00	1.3E+01	+
Keratin2	P35908	20	36.4	0E+00	7.7E+00	+
Vinculin	P18206-1	16	14.4	0E+00	3.3E+00	
Keratin5	P13647	11	20	0E+00	1.6E+00	+
Keratin14	P02533	8	16.7	2E-77	1.0E+00	+
Hornerin	Q86YZ3	2	4.4	0E+00	4.3E-01	+
Trypsin	P07478	1	7.7	1E-37	2.8E-01	+
Keratin3	P12035	2	2.7	2E-03	1.7E-01	+
beta-actin	A1E282	2	5.3	1E-04	8.4E-02	+
RDH11	Q8TC12-1	1	2.8	7E-02	6.1E-02	
Filaggrin	Q5D862	1	0.5	8E-03	3.7E-02	+
PCSK5	B1AMG5	1	1	3E-03	2.5E-02	
SLU7	O95391	1	1.5	7E-02	9.1E-03	
Stat4	Q14765	1	1.5	1E-02	5.4E-03	
FGD6	Q6ZV73-1	1	0.6	6E-47	3.9E-03	
Keratin42	Q6IFX2	5	10.6	4E-43	2.3E-03	+
KIR2DS3	Q14954	1	2.6	3E-06	1.8E-03	
IDE	P14735	1	1	2E-02	1.6E-03	